ELSEVIER

Journal of Organometallic Chemistry 509 (1996) 265–266

Journal of Organometallic Chemistry

Author Index of Volume 509

Abad, M.M., 139
Adam, W., 209
Ainscough, E.W., 259
Alonso, B., 109
Alt, H.G., 63
Angermaier, K., 85

Bastl, Z., 73, 77
Batchelor, R.J., 37
Behrens, U., 49
Berkovich, E., 89
Bhaduri, S., 105
Blechta, V., 77
Bortoletto, M.H., 9
Boss, K., 197
Brodie, A.M., 259

Čapka, M., 77
Casado, C.M., 109
Čejka, J., 235
Čermák, J., 77
Chin, C.H., 101
Coll, R.K., 259
Corriu, R.J.P., 249
Cowley, A.H., 135
Crespo, M., 29
Cuadrado, I., 109

Daniel, T., 225
Decken, A., 135
De Lucchi, O., 15
De Montauzon, D., 241
Deufel, T., 189
Devylder, N., 249
Dong, T.-Y., 131
Dowling, C., 197

Einstein, F.W.B., 37
Elduque, A., 89

Fabris, F., 15
Feng, X., 221
Font-Bardía, M., 29

Goto, M., 177
Griesbeck, A.G., 189
Grün, K., 209
Guerin, C., 249
Gunzelmann, N., 189
Gusel'nikov, L.E., 73
Gusev, O.V., 95

Elsevier Science S.A.

Hamada, Y., 119
Hanuš, V., 235
Haukka, M., 163
Haustein, M., 215
He, Y.-X., 37
Henner, B., 249
Herrmann, H.-F., 115
Herrmann, W.A., 115
Hindahl, K., 209
Hirva, P., 163
Hor, T.S.A., 101

Jaroszewski, M., 19
Jean, A., 249
Johnston, R.F., 123
Jones, P.G., 105

Kivekäs, R., 139
Küber, F., 115
Kvíčalová, M., 77

Lai, L.-L., 131
Larpent, C., 9
Lavenot, L., 9
Li, Y.-M., 221
Lindner, E., 215
Lobete, F., 109
Looi, E.-S., 57
Losada, J., 109

Mach, K., 235
Mair, A.J.A., 259
Maitlis, P.M., 95
Malisch, W., 189, 209
Manning, A.R., 197
Mathieu, R., 241
Milius, W., 63
Morán, M., 109
Morawietz, M.J.A., 115
Morozova, L.N., 95

Nagao, H., 225
Nakajima, H., 225
Nakamura, A., 225
Neumayer, M., 189
Ng, S.-W., 57

Okabe, K., 177
Operti, L., 151
Oro, L.A., 89

Pakkanen, T.A., 163
Palackal, S.J., 63
Pang, Z., 123
Patin, H., 9
Patsidis, K., 63
Pautz, S., 215
Peregudova, S.M., 95
Peterleitner, M.G., 95
Petrovskii, P.V., 95
Petrusová, L., 235
Pinillos, M.T., 89
Podestá, J.C., 1
Pola, J., 73
Prechtl, F., 209

Rabezzana, R., 151
Rossell, O., 241
Rossi, R.A., 1
Roucoux, A., 9

Sapre, N., 105
Schmidbaur, H., 85
Schmidt, G., 49
Schröck, R., 85
Seco, M., 241
Segalés, G., 241
Sheldrick, W.S., 209
Shimizu, H., 119
Sillanpää, R., 139
Sladek, A., 85
Solans, X., 29
Sutton, D., 37
Suzuki, H., 177
Szymańska-Buzar, T., 19

Tanaka, K., 225
Teixidor, F., 139
Teo, S.-B., 57
Teoh, S.-G., 57

Uchida, S., 177
Urbanová, M., 73
Ustynyuk, N.A., 95

Vaglio, G.A., 151
Varga, V., 235
Venäläinen, T., 163
Viñas, C., 139
Volnina, E.A., 73
Volpe, P., 151

Wang, J.-T., 221
Wang, X.-M., 221
Watanabe, H., 177
Waters, J.M., 259
Wilgocki, M., 19
Yamamoto, Y., 119
Yammal, C.C., 1
Yao, X.-J., 221
Yeh, P.-H., 123
Ziółkowski, J.J., 19

ELSEVIER

Journal of Organometallic Chemistry 509 (1996) 267–272

Journal of Organometallic Chemistry

Subject Index of Volume 509

Acetonitrile complexes
Cationic rhenium allyl complex $[Cp^*Re(\eta^3\text{-}C_3H_5)(CO)_2][BF_4]$ and its acetonitrile derivatives $[Cp^*Re(\eta^3\text{-}C_3H_5)(CO)(NCMe)][BF_4]$ and $[Cp^*Re(\eta^3\text{-}C_3H_5)(NCMe)_2][BF_4]$. Products of reactions with borohydride, methoxide and trimethylphosphine, and the X-ray crystal structure of the bis-ethylamine complex [*endo*-$Cp^*Re(\eta^3\text{-}C_3H_5)(NH_2Et)_2][ReO_4]$.solv (Y.-X. He, R.J. Batchelor, F.W.B. Einstein and D. Sutton), 37

Acyl ferrocene
Asymmetric aldol condensation of acetyl ferrocene with aromatic aldehydes via the formation of the β-cyclodextrin inclusion complexes (Y.-M. Li, X.-J. Yao, X. Feng, X.-M. Wang and J.-T. Wang), 221

Alkene complexes
Photochemical synthesis, spectroscopic properties and barriers to alkene rotation in the novel bis(alkene)tetracarbonyl complexes of tungsten (M. Jaroszewski, T. Szymańska-Buzar, M. Wilgocki and J.J. Ziółkowski), 19

Alkylation
Preparation, spectra and structure of $[Fe_2(\eta\text{-}C_5H_5)_2(L)(CN)(\mu\text{-}CO)\{\mu\text{-}CN(R')R\}]$, $[Fe_2(\eta\text{-}C_5H_5)_2(CO)(CN)\{\mu\text{-}CNMe_2\}_2]^+$ and $[Fe_2(\eta\text{-}C_5H_5)_2(CN)_2\{\mu\text{-}CNMe_2\}_2]$ zwitterions (L = CO or organoisocyanide) and their reactions with alkyl and protic electrophiles (K. Boss, C. Dowling and A.R. Manning), 197

Alkyne
Metallorganische Verbindungen des Kupfers. X. Synthese, Charakterisierung und Strukturuntersuchung von Kupfer(I)-β-diketonat-Komplexen mit 3,3,6,6-Tetramethyl-1-thia-4-cycloheptin als Liganden (G. Schmidt und U. Behrens), 49

1-Alkynes
Permethyltitanocene–bis(trimethylsilyl)acetylene, an efficient catalyst for the head-to-tail dimerization of 1-alkynes (V. Varga, L. Petrusová, J. Čejka, V. Hanuš and K. Mach), 235

Allyl complexes
Cationic rhenium allyl complex $[Cp^*Re(\eta^3\text{-}C_3H_5)(CO)_2][BF_4]$ and its acetonitrile derivatives $[Cp^*Re(\eta^3\text{-}C_3H_5)(CO)(NCMe)][BF_4]$ and $[Cp^*Re(\eta^3\text{-}C_3H_5)(NCMe)_2][BF_4]$. Products of reactions with borohydride, methoxide and trimethylphosphine, and the X-ray crystal structure of the bis-ethylamine complex [*endo*-$Cp^*Re(\eta^3\text{-}C_3H_5)(NH_2Et)_2][ReO_4]$.solv (Y.-X. He, R.J. Batchelor, F.W.B. Einstein and D. Sutton), 37

Ammonia
Gas-phase ion–molecule reactions in ammonia–methylsilane mixtures studied by ion trapping (L. Operti, R. Rabezzana, G.A. Vaglio and P. Volpe), 151

Anionic
The formation of *nido* $[7,8\text{-}(PR_2)_2\text{-}7,8\text{-}C_2B_9H_{10}]^-$ from *closo* $1,2\text{-}(PR_2)_2\text{-}1,2\text{-}C_2B_{10}H_{10}$ (R = Ph, Et, ^{i}Pr or OEt): a process enhanced by complexation (F. Teixidor, C. Viñas, M.M. Abad, R. Kivekäs and R. Sillanpää), 139

Anthracenyl-silanes
9,10-Disilylanthracene; synthesis, structure and fluorescence (R. Schröck, K. Angermaier, A. Sladek and H. Schmidbaur), 85

Aryl aldehyde
Asymmetric aldol condensation of acetyl ferrocene with aromatic aldehydes via the formation of the β-cyclodextrin inclusion complexes (Y.-M. Li, X.-J. Yao, X. Feng, X.-M. Wang and J.-T. Wang), 221

Arylsilanes
9,10-Disilylanthracene; synthesis, structure and fluorescence (R. Schröck, K. Angermaier, A. Sladek and H. Schmidbaur), 85

Asymmetrical disubstituted ferrocenes
A novel method to synthesize asymmetrical disubstituted ferrocenes (T.-Y. Dong and L.-L. Lai), 131

Azolate
New dinuclear and heterotrinuclear complexes containing the $M_2(\mu\text{-}az)(\mu\text{-}PPh_2)$ core (M = Rh or Ir; az = azolate) (M.T. Pinillos, A. Elduque, E. Berkovich and L.A. Oro), 89

1,1-Binaphthalene
Synthesis and chemistry of 2,2′-bis-silyl-substituted 1,1′-binaphthyl derivatives (F. Fabris and O. De Lucchi), 15

Bipyridene
FT-IR studies on the catalyst $Ru_3(CO)_{12}$/2,2′-bipyridine/SiO_2 and related ruthenium–bipyridine surface complexes (M. Haukka, T. Venäläinen, P. Hirva and T.A. Pakkanen), 163

Bis(trimethylsilyl)acetylene complex
Permethyltitanocene–bis(trimethylsilyl)acetylene, an efficient catalyst for the head-to-tail dimerization of 1-alkynes (V. Varga, L. Petrusová, J. Čejka, V. Hanuš and K. Mach), 235

Bridging ligand
Linked triosmium cluster complexes containing thiolato–carboxylato ligands: the crystal and molecular structures of $[\{Os_3H(CO)_{10}\}_2(\mu\text{-}SC_6H_4CO_2)]$ and $[\{Os_3H(CO)_{10}\}_2(\mu\text{-}SCH_2CH_2CO_2)]$ (E.W. Ainscough, A.M. Brodie, R.K. Coll, A.J.A. Mair and J.M. Waters), 259

Carbon monoxide
Facile reductive excision of sulfur from a $\{Pt_2S_2\}$ core in $[Pt_2(PPh_3)_4(\mu\text{-}S)_2]$ to a $\{Pt_2S\}$ triangle by carbon monoxide (C.H. Chin and T.S.A. Hor), 101

Carbonyl
Photochemical synthesis, spectroscopic properties and barriers to alkene rotation in the novel bis(alkene)tetracarbonyl complexes of tungsten (M. Jaroszewski, T. Szymańska-Buzar, M. Wilgocki and J.J. Ziółkowski), 19
Synthesis and characterization of substituted cyclopentadienide ligands that may form chelates or metal dimers (P.-H. Yeh, Z. Pang and R.F. Johnston), 123

Elsevier Science S.A.

Carbonyl sulfide
Facile reductive excision of sulfur from a $\{Pt_2S_2\}$ core in $[Pt_2(PPh_3)_4(\mu\text{-}S)_2]$ to a $\{Pt_2S\}$ triangle by carbon monoxide (C.H. Chin and T.S.A. Hor), 101
Carboranes
The formation of *nido* $[7,8\text{-}(PR_2)_2\text{-}7,8\text{-}C_2B_9H_{10}]^-$ from *closo* $1,2\text{-}(PR_2)_2\text{-}1,2\text{-}C_2B_{10}H_{10}$ (R = Ph, Et, ^{i}Pr or OEt): a process enhanced by complexation (F. Teixidor, C. Viñas, M.M. Abad, R. Kivekäs and R. Sillanpää), 139
Carboxylato
Linked triosmium cluster complexes containing thiolato–carboxylato ligands: the crystal and molecular structures of $[\{Os_3H(CO)_{10}\}_2(\mu\text{-}SC_6H_4CO_2)]$ and $[\{Os_3H(CO)_{10}\}_2(\mu\text{-}SCH_2CH_2CO_2)]$ (E.W. Ainscough, A.M. Brodie, R.K. Coll, A.J.A. Mair and J.M. Waters), 259
Catalysis
FT-IR studies on the catalyst $Ru_3(CO)_{12}/2,2'$-bipyridine/SiO_2 and related ruthenium–bipyridine surface complexes (M. Haukka, T. Venäläinen, P. Hirva and T.A. Pakkanen), 163
Permethyltitanocene–bis(trimethylsilyl)acetylene, an efficient catalyst for the head-to-tail dimerization of 1-alkynes (V. Varga, L. Petrusová, J. Čejka, V. Hanuš and K. Mach), 235
The synthesis, characterization and polymerization behavior of ansa cyclopentadienyl fluorenyl complexes; the X-ray structures of the complexes $[(C_{13}H_8)SiR_2(C_5H_4)]ZrCl_2$ (R = Me or Ph) (K. Patsidis, H.G. Alt, W. Milius and S.J. Palackal), 63
Cationic complexes
Seven-coordinated $2,2':6'2''$-terpyridinemolybdenum(II) complexes: synthesis, structure and reactivity of $[Mo(CO)(C_7H_8)(4,4',4''\text{-}R_3terpy)X]X'$ (R = H or ^{t}Bu) (T. Daniel, H. Nagao, H. Nakajima, K. Tanaka and A. Nakamura), 225
Chirality
Asymmetric aldol condensation of acetyl ferrocene with aromatic aldehydes via the formation of the β-cyclodextrin inclusion complexes (Y.-M. Li, X.-J. Yao, X. Feng, X.-M. Wang and J.-T. Wang), 221
Chromium
Silicon-based organometallic dendritic macromolecules containing $\{\eta^6\text{-(organosilyl)arene}\}$chromium tricarbonyl moieties (F. Lobete, I. Cuadrado, C.M. Casado, B. Alonso, M. Morán and J. Losada), 109
Cluster
Electrochemical studies of Mn_3HgM (M = Mo, W, Mn, Fe or Co) and Mn_3Au cluster anions (O. Rossell, M. Seco, G. Segalés, R. Mathieu and D. De Montauzon), 241
Cobalt
Synthesis and characterization of substituted cyclopentadienide ligands that may form chelates or metal dimers (P.-H. Yeh, Z. Pang and R.F. Johnston), 123
Cobalt silicide
Oligomers with silicon and transition metal groups: thermolysis of poly[1,1'-bis(diorganosilylethynyl)ferrocenes] and poly[{(diorganosilylene)diacetylene}dicobalthexacarbonyls] to give iron silicide- and cobalt silicide-based ceramics (R.J.P. Corriu, N. Devylder, C. Guerin, B. Henner and A. Jean), 249
Complexes
Metallorganische Verbindungen des Kupfers. X. Synthese, Charakterisierung und Strukturuntersuchung von Kupfer(I)-β-diketonat-Komplexen mit 3,3,6,6-Tetramethyl-1-thia-4-cycloheptin als Liganden (G. Schmidt und U. Behrens), 49
Copper
Metallorganische Verbindungen des Kupfers. X. Synthese, Charakterisierung und Strukturuntersuchung von Kupfer(I)-β-diketonat-Komplexen mit 3,3,6,6-Tetramethyl-1-thia-4-cycloheptin als Liganden (G. Schmidt und U. Behrens), 49
Crystal structure
Linked triosmium cluster complexes containing thiolato–carboxylato ligands: the crystal and molecular structures of $[\{Os_3H(CO)_{10}\}_2(\mu\text{-}SC_6H_4CO_2)]$ and $[\{Os_3H(CO)_{10}\}_2(\mu\text{-}SCH_2CH_2CO_2)]$ (E.W. Ainscough, A.M. Brodie, R.K. Coll, A.J.A. Mair and J.M. Waters), 259
Seven-coordinated $2,2':6'2''$-terpyridinemolybdenum(II) complexes: synthesis, structure and reactivity of $[Mo(CO)(C_7H_8)(4,4',4''\text{-}R_3terpy)X]X'$ (R = H or ^{t}Bu) (T. Daniel, H. Nagao, H. Nakajima, K. Tanaka and A. Nakamura), 225
Synthese und Reaktivität von Übergangsmetall-substituierten Phosphanen, Arsanen und Stibanen [1]. LVII. Oxidation tertiärer und sekundärer Metallo-phosphane von Eisen und Wolfram mit Dimethyldioxiran (W. Malisch, K. Hindahl, K. Grün, W. Adam, F. Prechtl und W.S. Sheldrick), 209
Synthesis and crystal structure of the tetrabutylbis(thiophene gloxylato)distannoxane dimer, $\{[(C_4H_9)_2SnO_2CC(O)C_4H_3S]_2O\}_2$ (S.-G. Teoh, E.-S. Looi, S.-B. Teo and S.-W. Ng), 57
The isolation and X-ray crystal structure of $[Li(Et_2O)_2(CHPh)PPh_2]$ (A. Decken and A.H. Cowley), 135
Cyanide ion
Preparation, spectra and structure of $[Fe_2(\eta\text{-}C_5H_5)_2(L)(CN)(\mu\text{-}CO)\{\mu\text{-}CN(R')R\}]$, $[Fe_2(\eta\text{-}C_5H_5)_2(CO)(CN)\{\mu\text{-}CNMe_2\}_2]^+$ and $[Fe_2(\eta\text{-}C_5H_5)_2(CN)_2\{\mu\text{-}CNMe_2\}_2]$ zwitterions (L = CO or organoisocyanide) and their reactions with alkyl and protic electrophiles (K. Boss, C. Dowling and A.R. Manning), 197
Cyclic voltammetry
Synthesis of palladium cyclopentadienyl complexes. Decamethylpalladocene dication $[Pd(\eta^5\text{-}C_5Me_5)]^{2+}$ (O.V. Gusev, L.N. Morozova, M.G. Peterleitner, S.M. Peregudova, P.V. Petrovskii, N.A. Ustynyuk and P.M. Maitlis), 95
Cyclometallation
Steric and electronic effects on the regioselective formation of platinum(II) metallacycles: crystal structure of $[PtMe(3\text{-}MeC_6H_3\text{-}CH{=}NCH_2C_6H_5)(PPh_3)]$ (M. Crespo, X. Solans and M. Font-Bardía), 29
Cyclopentadienyl
Hydrogenation catalytic activity of substituted cyclopentadienyl titanium complexes anchored on polysiloxanes prepared by a sol–gel procedure (J. Čermák, M. Kvíčalová, V. Blechta, M. Čapka and Z. Bastl), 77
Reactivity of the Ru–O bond in η^2(O,P)-chelated mono(ether–phosphine)(pentamethylcyclopentadienyl)ruthenium(II) complexes (E. Lindner, S. Pautz and M. Haustein), 215
Synthesis and characterization of substituted cyclopentadienide ligands that may form chelates or metal dimers (P.-H. Yeh, Z. Pang and R.F. Johnston), 123
Synthesis of palladium cyclopentadienyl complexes. Decamethylpalladocene dication $[Pd(\eta^5\text{-}C_5Me_5)]^{2+}$ (O.V. Gusev, L.N. Morozova, M.G. Peterleitner, S.M. Peregudova, P.V. Petrovskii, N.A. Ustynyuk and P.M. Maitlis), 95
Degradation
The formation of *nido* $[7,8\text{-}(PR_2)_2\text{-}7,8\text{-}C_2B_9H_{10}]^-$ from *closo* $1,2\text{-}(PR_2)_2\text{-}1,2\text{-}C_2B_{10}H_{10}$ (R = Ph, Et, ^{i}Pr or OEt): a process enhanced by complexation (F. Teixidor, C. Viñas, M.M. Abad, R. Kivekäs and R. Sillanpää), 139
Desulfurization
Facile reductive excision of sulfur from a $\{Pt_2S_2\}$ core in $[Pt_2(PPh_3)_4(\mu\text{-}S)_2]$ to a $\{Pt_2S\}$ triangle by carbon monoxide (C.H. Chin and T.S.A. Hor), 101
Diastereoselectivity
Synthesis and transformation of iron and tungsten complexes with tetrahydropentalenyl ligands (W. Malisch, N. Gunzelmann, M. Neumayer, A.G. Griesbeck and T. Deufel), 189

Dibutyltin oxide
Synthesis and crystal structure of the tetrabutylbis(thiophene gloxylato)distannoxane dimer, $\{[(C_4H_9)_2SnO_2CC(O)C_4H_3S]_2O\}_2$ (S.-G. Teoh, E.-S. Looi, S.-B. Teo and S.-W. Ng), 57
Disilagermirane
Preparations, structures and photolyses of peralkyldisilagermirane and peralkylgermadisilaoxetane (H. Suzuki, K. Okabe, S. Uchida, H. Watanabe and M. Goto), 177
Disilane
Synthesis and chemistry of 2,2′-bis-silyl-substituted 1,1′-binaphthyl derivatives (F. Fabris and O. De Lucchi), 15
Distannoxane
Synthesis and crystal structure of the tetrabutylbis(thiophene gloxylato)distannoxane dimer, $\{[(C_4H_9)_2SnO_2CC(O)C_4H_3S]_2O\}_2$ (S.-G. Teoh, E.-S. Looi, S.-B. Teo and S.-W. Ng), 57

Electrochemistry
Electrochemical studies of Mn_3HgM (M = Mo, W, Mn, Fe or Co) and Mn_3Au cluster anions (O. Rossell, M. Seco, G. Segalés, R. Mathieu and D. De Montauzon), 241
Electron transfer
A novel method to synthesize asymmetrical disubstituted ferrocenes (T.-Y. Dong and L.-L. Lai), 131
Synthesis of asymmetrical aryl–tin compounds by cleavage of alkyl–tin bonds with sodium metal in liquid ammonia followed by $S_{RN}1$ reactions with chloroarenes (C.C. Yammal, J.C. Podestá and R.A. Rossi), 1
Enzyme template
Asymmetric aldol condensation of acetyl ferrocene with aromatic aldehydes via the formation of the β-cyclodextrin inclusion complexes (Y.-M. Li, X.-J. Yao, X. Feng, X.-M. Wang and J.-T. Wang), 221
Ester dealkylation
Dealkylation of esters via treatment with *N*-(trimethylsilyl)diethylamine and methyl iodide (Y. Yamamoto, H. Shimizu and Y. Hamada), 119
Ethylamine complexes
Cationic rhenium allyl complex $[Cp^*Re(\eta^3\text{-}C_3H_5)(CO)_2][BF_4]$ and its acetonitrile derivatives $[Cp^*Re(\eta^3\text{-}C_3H_5)(CO)(NCMe)][BF_4]$ and $[Cp^*Re(\eta^3\text{-}C_3H_5)(NCMe)_2][BF_4]$. Products of reactions with borohydride, methoxide and trimethylphosphine, and the X-ray crystal structure of the bis-ethylamine complex [*endo*-$Cp^*Re(\eta^3\text{-}C_3H_5)(NH_2Et)_2][ReO_4]$.solv (Y.-X. He, R.J. Batchelor, F.W.B. Einstein and D. Sutton), 37

Fluxional behaviour
Photochemical synthesis, spectroscopic properties and barriers to alkene rotation in the novel bis(alkene)tetracarbonyl complexes of tungsten (M. Jaroszewski, T. Szymańska-Buzar, M. Wilgocki and J.J. Ziółkowski), 19

Germadisilaoxetane
Preparations, structures and photolyses of peralkyldisilagermirane and peralkylgermadisilaoxetane (H. Suzuki, K. Okabe, S. Uchida, H. Watanabe and M. Goto), 177
Germanium
The synthesis, characterization and polymerization behavior of ansa cyclopentadienyl fluorenyl complexes; the X-ray structures of the complexes $[(C_{13}H_8)SiR_2(C_5H_4)]ZrCl_2$ (R = Me or Ph) (K. Patsidis, H.G. Alt, W. Milius and S.J. Palackal), 63
Gold
Electrochemical studies of Mn_3HgM (M = Mo, W, Mn, Fe or Co) and Mn_3Au cluster anions (O. Rossell, M. Seco, G. Segalés, R. Mathieu and D. De Montauzon), 241

Group 8
Reactivity of the Ru–O bond in η^2(O,P)-chelated mono(ether–phosphine)(pentamethylcyclopentadienyl)ruthenium(II) complexes (E. Lindner, S. Pautz and M. Haustein), 215

Homogeneous decomposition
Laser-powered homogeneous pyrolysis of 4-silaspiro[3,3]heptane. A source for 2-silaallene and its polymer (M. Urbanová, E.A. Volnina, L.E. Gusel'nikov, Z. Bastl and J. Pola), 73
Hydrogenation
Hydrogenation catalytic activity of substituted cyclopentadienyl titanium complexes anchored on polysiloxanes prepared by a sol–gel procedure (J. Čermák, M. Kvíčalová, V. Blechta, M. Čapka and Z. Bastl), 77

Imine
Steric and electronic effects on the regioselective formation of platinum(II) metallacycles: crystal structure of $[PtMe(3\text{-}MeC_6H_3\text{-}CH{=}NCH_2C_6H_5)(PPh_3)]$ (M. Crespo, X. Solans and M. Font-Bardía), 29
Indium
New dinuclear and heterotrinuclear complexes containing the $M_2(\mu\text{-}az)(\mu\text{-}PPh_2)$ core (M = Rh or Ir; az = azolate) (M.T. Pinillos, A. Elduque, E. Berkovich and L.A. Oro), 89
Iron
Preparation, spectra and structure of $[Fe_2(\eta\text{-}C_5H_5)_2(L)(CN)(\mu\text{-}CO)\{\mu\text{-}CN(R')R\}]$, $[Fe_2(\eta\text{-}C_5H_5)_2(CO)(CN)\{\mu\text{-}CNMe_2\}_2]^+$ and $[Fe_2(\eta\text{-}C_5H_5)_2(CN)_2\{\mu\text{-}CNMe_2\}_2]$ zwitterions (L = CO or organoisocyanide) and their reactions with alkyl and protic electrophiles (K. Boss, C. Dowling and A.R. Manning), 197

Synthesis and transformation of iron and tungsten complexes with tetrahydropentalenyl ligands (W. Malisch, N. Gunzelmann, M. Neumayer, A.G. Griesbeck and T. Deufel), 189
Iron silicide
Oligomers with silicon and transition metal groups: thermolysis of poly[1,1′-bis(diorganosilylethynyl)ferrocenes] and poly[{(diorganosilylene)diacetylene}dicobalthexacarbonyls] to give iron silicide- and cobalt silicide-based ceramics (R.J.P. Corriu, N. Devylder, C. Guerin, B. Henner and A. Jean), 249
Isocyanide
Preparation, spectra and structure of $[Fe_2(\eta\text{-}C_5H_5)_2(L)(CN)(\mu\text{-}CO)\{\mu\text{-}CN(R')R\}]$, $[Fe_2(\eta\text{-}C_5H_5)_2(CO)(CN)\{\mu\text{-}CNMe_2\}_2]^+$ and $[Fe_2(\eta\text{-}C_5H_5)_2(CN)_2\{\mu\text{-}CNMe_2\}_2]$ zwitterions (L = CO or organoisocyanide) and their reactions with alkyl and protic electrophiles (K. Boss, C. Dowling and A.R. Manning), 197

Kinetics
Gas-phase ion–molecule reactions in ammonia–methylsilane mixtures studied by ion trapping (L. Operti, R. Rabezzana, G.A. Vaglio and P. Volpe), 151

Laser
Laser-powered homogeneous pyrolysis of 4-silaspiro[3,3]heptane. A source for 2-silaallene and its polymer (M. Urbanová, E.A. Volnina, L.E. Gusel'nikov, Z. Bastl and J. Pola), 73
Linear dimerization
Permethyltitanocene–bis(trimethylsilyl)acetylene, an efficient catalyst for the head-to-tail dimerization of 1-alkynes (V. Varga, L. Petrusová, J. Čejka, V. Hanuš and K. Mach), 235
Lithium
The isolation and X-ray crystal structure of $[Li(Et_2O)_2(CHPh)PPh_2]$ (A. Decken and A.H. Cowley), 135

Manganese
Electrochemical studies of Mn_3HgM (M = Mo, W, Mn, Fe or Co) and Mn_3Au cluster anions (O. Rossell, M. Seco, G. Segalés, R. Mathieu and D. De Montauzon), 241
Synthesis and characterization of substituted cyclopentadienide ligands that may form chelates or metal dimers (P.-H. Yeh, Z. Pang and R.F. Johnston), 123
Mass spectrometry
Gas-phase ion–molecule reactions in ammonia–methylsilane mixtures studied by ion trapping (L. Operti, R. Rabezzana, G.A. Vaglio and P. Volpe), 151
Mechanism
Gas-phase ion–molecule reactions in ammonia–methylsilane mixtures studied by ion trapping (L. Operti, R. Rabezzana, G.A. Vaglio and P. Volpe), 151
Mercury
Electrochemical studies of Mn_3HgM (M = Mo, W, Mn, Fe or Co) and Mn_3Au cluster anions (O. Rossell, M. Seco, G. Segalés, R. Mathieu and D. De Montauzon), 241
Metallocene complexes
The synthesis, characterization and polymerization behavior of ansa cyclopentadienyl fluorenyl complexes; the X-ray structures of the complexes $[(C_{13}H_8)SiR_2(C_5H_4)]ZrCl_2$ (R = Me or Ph) (K. Patsidis, H.G. Alt, W. Milius and S.J. Palackal), 63
Metallo-phosphineoxides
Synthese und Reaktivität von Übergangsmetall-substituierten Phosphanen, Arsanen und Stibanen [1]. LVII. Oxidation tertiärer und sekundärer Metallo-phosphane von Eisen und Wolfram mit Dimethyldioxiran (W. Malisch, K. Hindahl, K. Grün, W. Adam, F. Prechtl und W.S. Sheldrick), 209
Methylsilane
Gas-phase ion–molecule reactions in ammonia–methylsilane mixtures studied by ion trapping (L. Operti, R. Rabezzana, G.A. Vaglio and P. Volpe), 151
Michael addition
Synthesis of new hydrophilic phosphines by addition of diphenylphosphine on activated alkenes: characterization of their rhodium complexes (L. Lavenot, M.H. Bortoletto, A. Roucoux, C. Larpent and H. Patin), 9
Molybdenum
Seven-coordinated 2,2′ : 6′ 2″-terpyridinemolybdenum(II) complexes: synthesis, structure and reactivity of $[Mo(CO)(C_7H_8)(4,4',4''\text{-}R_3terpy)X]X'$ (R = H or ^{t}Bu) (T. Daniel, H. Nagao, H. Nakajima, K. Tanaka and A. Nakamura), 225
Multiphase ceramic
Oligomers with silicon and transition metal groups: thermolysis of poly[1,1′-bis(diorganosilylethynyl)ferrocenes] and poly[{(diorganosilylene)diacetylene}dicobalthexacarbonyls] to give iron silicide- and cobalt silicide-based ceramics (R.J.P. Corriu, N. Devylder, C. Guerin, B. Henner and A. Jean), 249

Norbornadiene
Seven-coordinated 2,2′ : 6′ 2″-terpyridinemolybdenum(II) complexes: synthesis, structure and reactivity of $[Mo(CO)(C_7H_8)(4,4',4''\text{-}R_3terpy)X]X'$ (R = H or ^{t}Bu) (T. Daniel, H. Nagao, H. Nakajima, K. Tanaka and A. Nakamura), 225
N-(trimethylsilyl)diethylamine
Dealkylation of esters via treatment with *N*-(trimethylsilyl)diethylamine and methyl iodide (Y. Yamamoto, H. Shimizu and Y. Hamada), 119
Nuclear magnetic resonance
Hydrogenation catalytic activity of substituted cyclopentadienyl titanium complexes anchored on polysiloxanes prepared by a sol–gel procedure (J. Čermák, M. Kvíčalová, V. Blechta, M. Čapka and Z. Bastl), 77
Nucleophilic substitution
Synthesis of asymmetrical aryl–tin compounds by cleavage of alkyl–tin bonds with sodium metal in liquid ammonia followed by $S_{RN}1$ reactions with chloroarenes (C.C. Yammal, J.C. Podestá and R.A. Rossi), 1

Olefine polymerization
Tin-bridged *ansa*-metallocenes of zirconium: synthesis and catalytic performance in olefin polymerization (W.A. Herrmann, M.J.A. Morawietz, H.-F. Herrmann and F. Küber), 115
Organometallic dendrimers
Silicon-based organometallic dendritic macromolecules containing {η^6-(organosilyl)arene}chromium tricarbonyl moieties (F. Lobete, I. Cuadrado, C.M. Casado, B. Alonso, M. Morán and J. Losada), 109
Osmium cluster
Linked triosmium cluster complexes containing thiolato–carboxylato ligands: the crystal and molecular structures of $[\{Os_3H(CO)_{10}\}_2(\mu\text{-}SC_6H_4CO_2)]$ and $[\{Os_3H(CO)_{10}\}_2(\mu\text{-}SCH_2CH_2CO_2)]$ (E.W. Ainscough, A.M. Brodie, R.K. Coll, A.J.A. Mair and J.M. Waters), 259

Palladium
Synthesis of palladium cyclopentadienyl complexes. Decamethylpalladocene dication $[Pd(\eta^5\text{-}C_5Me_5)]^{2+}$ (O.V. Gusev, L.N. Morozova, M.G. Peterleitner, S.M. Peregudova, P.V. Petrovskii, N.A. Ustynyuk and P.M. Maitlis), 95
Palladocene
Synthesis of palladium cyclopentadienyl complexes. Decamethylpalladocene dication $[Pd(\eta^5\text{-}C_5Me_5)]^{2+}$ (O.V. Gusev, L.N. Morozova, M.G. Peterleitner, S.M. Peregudova, P.V. Petrovskii, N.A. Ustynyuk and P.M. Maitlis), 95
Pentamethylcyclopentadienyl
Cationic rhenium allyl complex $[Cp^*Re(\eta^3\text{-}C_3H_5)(CO)_2][BF_4]$ and its acetonitrile derivatives $[Cp^*Re(\eta^3\text{-}C_3H_5)(CO)(NCMe)][BF_4]$ and $[Cp^*Re(\eta^3\text{-}C_3H_5)(NCMe)_2][BF_4]$. Products of reactions with borohydride, methoxide and trimethylphosphine, and the X-ray crystal structure of the bis-ethylamine complex $[endo\text{-}Cp^*Re(\eta^3\text{-}C_3H_5)(NH_2Et)_2][ReO_4]$.solv (Y.-X. He, R.J. Batchelor, F.W.B. Einstein and D. Sutton), 37
Permethyltitanocene
Permethyltitanocene–bis(trimethylsilyl)acetylene, an efficient catalyst for the head-to-tail dimerization of 1-alkynes (V. Varga, L. Petrusová, J. Čejka, V. Hanuš and K. Mach), 235
Phosphide
New dinuclear and heterotrinuclear complexes containing the $M_2(\mu\text{-}az)(\mu\text{-}PPh_2)$ core (M = Rh or Ir; az = azolate) (M.T. Pinillos, A. Elduque, E. Berkovich and L.A. Oro), 89
Phosphine
Reactivity of the Ru–O bond in η^2(O,P)-chelated mono(ether–phosphine)(pentamethylcyclopentadienyl)ruthenium(II) complexes (E. Lindner, S. Pautz and M. Haustein), 215
Synthese und Reaktivität von Übergangsmetall-substituierten Phosphanen, Arsanen und Stibanen [1]. LVII. Oxidation tertiärer und sekundärer Metallo-phosphane von Eisen und Wolfram mit Dimethyldioxiran (W. Malisch, K. Hindahl, K. Grün, W. Adam, F. Prechtl und W.S. Sheldrick), 209
The formation of *nido* $[7,8\text{-}(PR_2)_2\text{-}7,8\text{-}C_2B_9H_{10}]^-$ from *closo* $1,2\text{-}(PR_2)_2\text{-}1,2\text{-}C_2B_{10}H_{10}$ (R = Ph, Et, ^{i}Pr or OEt): a process enhanced by complexation (F. Teixidor, C. Viñas, M.M. Abad, R. Kivekäs and R. Sillanpää), 139
The isolation and X-ray crystal structure of $[Li(Et_2O)_2(CHPh)PPh_2]$ (A. Decken and A.H. Cowley), 135

Phosphinoalkene complexes
Cationic rhenium allyl complex $[Cp^*Re(\eta^3\text{-}C_3H_5)(CO)_2][BF_4]$ and its acetonitrile derivatives $[Cp^*Re(\eta^3\text{-}C_3H_5)(CO)(NCMe)][BF_4]$ and $[Cp^*Re(\eta^3\text{-}C_3H_5)(NCMe)_2][BF_4]$. Products of reactions with borohydride, methoxide and trimethylphosphine, and the X-ray crystal structure of the bis-ethylamine complex [*endo*-$Cp^*Re(\eta^3\text{-}C_3H_5)(NH_2Et)_2][ReO_4]$.solv (Y.-X. He, R.J. Batchelor, F.W.B. Einstein and D. Sutton), 37
Photoelectron spectroscopy
Hydrogenation catalytic activity of substituted cyclopentadienyl titanium complexes anchored on polysiloxanes prepared by a sol–gel procedure (J. Čermák, M. Kvíčalová, V. Blechta, M. Čapka and Z. Bastl), 77
Photolysis
Preparations, structures and photolyses of peralkyldisilagermirane and peralkylgermadisilaoxetane (H. Suzuki, K. Okabe, S. Uchida, H. Watanabe and M. Goto), 177
Platinocycles
Steric and electronic effects on the regioselective formation of platinum(II) metallacycles: crystal structure of $[PtMe(3\text{-}MeC_6H_3\text{-}CH{=}NCH_2C_6H_5)(PPh_3)]$ (M. Crespo, X. Solans and M. Font-Bardía), 29
Platinum
Facile reductive excision of sulfur from a $\{Pt_2S_2\}$ core in $[Pt_2(PPh_3)_4(\mu\text{-}S)_2]$ to a $\{Pt_2S\}$ triangle by carbon monoxide (C.H. Chin and T.S.A. Hor), 101
Steric and electronic effects on the regioselective formation of platinum(II) metallacycles: crystal structure of $[PtMe(3\text{-}MeC_6H_3\text{-}CH{=}NCH_2C_6H_5)(PPh_3)]$ (M. Crespo, X. Solans and M. Font-Bardía), 29
Poly(2-silaallene)
Laser-powered homogeneous pyrolysis of 4-silaspiro[3,3]heptane. A source for 2-silaallene and its polymer (M. Urbanová, E.A. Volnina, L.E. Gusel'nikov, Z. Bastl and J. Pola), 73
Polysiloxane
Hydrogenation catalytic activity of substituted cyclopentadienyl titanium complexes anchored on polysiloxanes prepared by a sol–gel procedure (J. Čermák, M. Kvíčalová, V. Blechta, M. Čapka and Z. Bastl), 77
Poly[(silylene)diacetylenes]
Oligomers with silicon and transition metal groups: thermolysis of poly[1,1′-bis(diorganosilylethynyl)ferrocenes] and poly[{(diorganosilylene)diacetylene}dicobalthexacarbonyls] to give iron silicide- and cobalt silicide-based ceramics (R.J.P. Corriu, N. Devylder, C. Guerin, B. Henner and A. Jean), 249
Protonation
Preparation, spectra and structure of $[Fe_2(\eta\text{-}C_5H_5)_2(L)(CN)\{\mu\text{-}CO\}\{\mu\text{-}CN(R')R\}]$, $[Fe_2(\eta\text{-}C_5H_5)_2(CO)(CN)\{\mu\text{-}CNMe_2\}_2]^+$ and $[Fe_2(\eta\text{-}C_5H_5)_2(CN)_2\{\mu\text{-}CNMe_2\}_2]$ zwitterions (L = CO or organoisocyanide) and their reactions with alkyl and protic electrophiles (K. Boss, C. Dowling and A.R. Manning), 197
Pyrolysis
Oligomers with silicon and transition metal groups: thermolysis of poly[1,1′-bis(diorganosilylethynyl)ferrocenes] and poly[{(diorganosilylene)diacetylene}dicobalthexacarbonyls] to give iron silicide- and cobalt silicide-based ceramics (R.J.P. Corriu, N. Devylder, C. Guerin, B. Henner and A. Jean), 249

Reductive carbonylation
Facile reductive excision of sulfur from a $\{Pt_2S_2\}$ core in $[Pt_2(PPh_3)_4(\mu\text{-}S)_2]$ to a $\{Pt_2S\}$ triangle by carbon monoxide (C.H. Chin and T.S.A. Hor), 101

Rhenium
Cationic rhenium allyl complex $[Cp^*Re(\eta^3\text{-}C_3H_5)(CO)_2][BF_4]$ and its acetonitrile derivatives $[Cp^*Re(\eta^3\text{-}C_3H_5)(CO)(NCMe)][BF_4]$ and $[Cp^*Re(\eta^3\text{-}C_3H_5)(NCMe)_2][BF_4]$. Products of reactions with borohydride, methoxide and trimethylphosphine, and the X-ray crystal structure of the bis-ethylamine complex [*endo*-$Cp^*Re(\eta^3\text{-}C_3H_5)(NH_2Et)_2][ReO_4]$.solv (Y.-X. He, R.J. Batchelor, F.W.B. Einstein and D. Sutton), 37
Rhodium
New dinuclear and heterotrinuclear complexes containing the $M_2(\mu\text{-}az)(\mu\text{-}PPh_2)$ core (M = Rh or Ir; az = azolate) (M.T. Pinillos, A. Elduque, E. Berkovich and L.A. Oro), 89
Rhodium complexes
Synthesis of new hydrophilic phosphines by addition of diphenylphosphine on activated alkenes: characterization of their rhodium complexes (L. Lavenot, M.H. Bortoletto, A. Roucoux, C. Larpent and H. Patin), 9
Ruthenium
FT-IR studies on the catalyst $Ru_3(CO)_{12}$/2,2′-bipyridine/SiO_2 and related ruthenium–bipyridine surface complexes (M. Haukka, T. Venäläinen, P. Hirva and T.A. Pakkanen), 163
Reactivity of the Ru–O bond in η^2(O,P)-chelated mono(ether–phosphine)(pentamethylcyclopentadienyl)ruthenium(II) complexes (E. Lindner, S. Pautz and M. Haustein), 215
Synthesis and X-ray structure of a ruthenium cluster with a chiral oxazoline ligand (S. Bhaduri, N. Sapre and P.G. Jones), 105
Ruthenium cluster
Synthesis and X-ray structure of a ruthenium cluster with a chiral oxazoline ligand (S. Bhaduri, N. Sapre and P.G. Jones), 105

$S_{RN}1$
Synthesis of asymmetrical aryl–tin compounds by cleavage of alkyl–tin bonds with sodium metal in liquid ammonia followed by $S_{RN}1$ reactions with chloroarenes (C.C. Yammal, J.C. Podestá and R.A. Rossi), 1
2-Silaallene
Laser-powered homogeneous pyrolysis of 4-silaspiro[3,3]heptane. A source for 2-silaallene and its polymer (M. Urbanová, E.A. Volnina, L.E. Gusel'nikov, Z. Bastl and J. Pola), 73
Silane
9,10-Disilylanthracene; synthesis, structure and fluorescence (R. Schröck, K. Angermaier, A. Sladek and H. Schmidbaur), 85
Synthesis and chemistry of 2,2′-bis-silyl-substituted 1,1′-binaphthyl derivatives (F. Fabris and O. De Lucchi), 15
4-Silaspiro[3,3]heptane
Laser-powered homogeneous pyrolysis of 4-silaspiro[3,3]heptane. A source for 2-silaallene and its polymer (M. Urbanová, E.A. Volnina, L.E. Gusel'nikov, Z. Bastl and J. Pola), 73
Silazane
Synthesis and chemistry of 2,2′-bis-silyl-substituted 1,1′-binaphthyl derivatives (F. Fabris and O. De Lucchi), 15
Silicon
Dealkylation of esters via treatment with *N*-(trimethylsilyl)diethylamine and methyl iodide (Y. Yamamoto, H. Shimizu and Y. Hamada), 119
Silicon-based organometallic dendritic macromolecules containing $\{\eta^6$-(organosilyl)arene$\}$chromium tricarbonyl moieties (F. Lobete, I. Cuadrado, C.M. Casado, B. Alonso, M. Morán and J. Losada), 109
Synthesis and chemistry of 2,2′-bis-silyl-substituted 1,1′-binaphthyl derivatives (F. Fabris and O. De Lucchi), 15

The synthesis, characterization and polymerization behavior of ansa cyclopentadienyl fluorenyl complexes; the X-ray structures of the complexes $[(C_{13}H_8)SiR_2(C_5H_4)]ZrCl_2$ (R = Me or Ph) (K. Patsidis, H.G. Alt, W. Milius and S.J. Palackal), 63

Siloxane
Synthesis and chemistry of 2,2′-bis-silyl-substituted 1,1′-binaphthyl derivatives (F. Fabris and O. De Lucchi), 15

Silyl-anthracenes
9,10-Disilylanthracene; synthesis, structure and fluorescence (R. Schröck, K. Angermaier, A. Sladek and H. Schmidbaur), 85

Silyl-arenes
9,10-Disilylanthracene; synthesis, structure and fluorescence (R. Schröck, K. Angermaier, A. Sladek and H. Schmidbaur), 85

Sodium
Synthesis and characterization of substituted cyclopentadienide ligands that may form chelates or metal dimers (P.-H. Yeh, Z. Pang and R.F. Johnston), 123

Structure
Metallorganische Verbindungen des Kupfers. X. Synthese, Charakterisierung und Strukturuntersuchung von Kupfer(I)-β-diketonat-Komplexen mit 3,3,6,6-Tetramethyl-1-thia-4-cycloheptin als Liganden (G. Schmidt und U. Behrens), 49

Substitution
Preparation, spectra and structure of $[Fe_2(\eta\text{-}C_5H_5)_2(L)(CN)(\mu\text{-}CO)\{\mu\text{-}CN(R')R\}]$, $[Fe_2(\eta\text{-}C_5H_5)_2(CO)(CN)\{\mu\text{-}CNMe_2\}_2]^+$ and $[Fe_2(\eta\text{-}C_5H_5)_2(CN)_2\{\mu\text{-}CNMe_2\}_2]$ zwitterions (L = CO or organoisocyanide) and their reactions with alkyl and protic electrophiles (K. Boss, C. Dowling and A.R. Manning), 197

Sulfide
Facile reductive excision of sulfur from a $\{Pt_2S_2\}$ core in $[Pt_2(PPh_3)_4(\mu\text{-}S)_2]$ to a $\{Pt_2S\}$ triangle by carbon monoxide (C.H. Chin and T.S.A. Hor), 101

Sulphurdioxide
Reactivity of the Ru–O bond in η^2(O,P)-chelated mono(ether–phosphine)(pentamethylcyclopentadienyl)ruthenium(II) complexes (E. Lindner, S. Pautz and M. Haustein), 215

Syndiotactic polypropylene
The synthesis, characterization and polymerization behavior of ansa cyclopentadienyl fluorenyl complexes; the X-ray structures of the complexes $[(C_{13}H_8)SiR_2(C_5H_4)]ZrCl_2$ (R = Me or Ph) (K. Patsidis, H.G. Alt, W. Milius and S.J. Palackal), 63

Synthesis
A novel method to synthesize asymmetrical disubstituted ferrocenes (T.-Y. Dong and L.-L. Lai), 131

Terpyridene
Seven-coordinated 2,2′ : 6′2″-terpyridinemolybdenum(II) complexes: synthesis, structure and reactivity of $[Mo(CO)(C_7H_8)(4,4',4''\text{-}R_3terpy)X]X'$ (R = H or ^{t}Bu) (T. Daniel, H. Nagao, H. Nakajima, K. Tanaka and A. Nakamura), 225

Tetrahydropentalenyl
Synthesis and transformation of iron and tungsten complexes with tetrahydropentalenyl ligands (W. Malisch, N. Gunzelmann, M. Neumayer, A.G. Griesbeck and T. Deufel), 189

Thallium
Synthesis and characterization of substituted cyclopentadienide ligands that may form chelates or metal dimers (P.-H. Yeh, Z. Pang and R.F. Johnston), 123

Thiolato
Linked triosmium cluster complexes containing thiolato–carboxylato ligands: the crystal and molecular structures of $[\{Os_3H(CO)_{10}\}_2(\mu\text{-}SC_6H_4CO_2)]$ and $[\{Os_3H(CO)_{10}\}_2(\mu\text{-}SCH_2CH_2CO_2)]$ (E.W. Ainscough, A.M. Brodie, R.K. Coll, A.J.A. Mair and J.M. Waters), 259

Thiopheneglyoxylate
Synthesis and crystal structure of the tetrabutylbis(thiophene gloxylato)distannoxane dimer, $\{[(C_4H_9)_2SnO_2CC(O)C_4H_3S]_2O\}_2$ (S.-G. Teoh, E.-S. Looi, S.-B. Teo and S.-W. Ng), 57

Tin
Synthesis of asymmetrical aryl–tin compounds by cleavage of alkyl–tin bonds with sodium metal in liquid ammonia followed by $S_{RN}1$ reactions with chloroarenes (C.C. Yammal, J.C. Podestá and R.A. Rossi), 1

Tin-bridged zirconocenes
Tin-bridged *ansa*-metallocenes of zirconium: synthesis and catalytic performance in olefin polymerization (W.A. Herrmann, M.J.A. Morawietz, H.-F. Herrmann and F. Küber), 115

Titanium
Hydrogenation catalytic activity of substituted cyclopentadienyl titanium complexes anchored on polysiloxanes prepared by a sol–gel procedure (J. Čermák, M. Kvíčalová, V. Blechta, M. Čapka and Z. Bastl), 77

Transition metal anions
Synthesis and transformation of iron and tungsten complexes with tetrahydropentalenyl ligands (W. Malisch, N. Gunzelmann, M. Neumayer, A.G. Griesbeck and T. Deufel), 189

Trimethylsilyl
Dealkylation of esters via treatment with *N*-(trimethylsilyl)diethylamine and methyl iodide (Y. Yamamoto, H. Shimizu and Y. Hamada), 119

Tungsten
Photochemical synthesis, spectroscopic properties and barriers to alkene rotation in the novel bis(alkene)tetracarbonyl complexes of tungsten (M. Jaroszewski, T. Szymańska-Buzar, M. Wilgocki and J.J. Ziółkowski), 19
Synthese und Reaktivität von Übergangsmetall-substituierten Phosphanen, Arsanen und Stibanen [1]. LVII. Oxidation tertiärer und sekundärer Metallo-phosphane von Eisen und Wolfram mit Dimethyldioxiran (W. Malisch, K. Hindahl, K. Grün, W. Adam, F. Prechtl und W.S. Sheldrick), 209
Synthesis and transformation of iron and tungsten complexes with tetrahydropentalenyl ligands (W. Malisch, N. Gunzelmann, M. Neumayer, A.G. Griesbeck and T. Deufel), 189

Vinylidene
Reactivity of the Ru–O bond in η^2(O,P)-chelated mono(ether–phosphine)(pentamethylcyclopentadienyl)ruthenium(II) complexes (E. Lindner, S. Pautz and M. Haustein), 215

Water soluble phosphines
Synthesis of new hydrophilic phosphines by addition of diphenylphosphine on activated alkenes: characterization of their rhodium complexes (L. Lavenot, M.H. Bortoletto, A. Roucoux, C. Larpent and H. Patin), 9

X-ray structure
Preparations, structures and photolyses of peralkyldisilagermirane and peralkylgermadisilaoxetane (H. Suzuki, K. Okabe, S. Uchida, H. Watanabe and M. Goto), 177

X-ray structure analysis
Synthesis and X-ray structure of a ruthenium cluster with a chiral oxazoline ligand (S. Bhaduri, N. Sapre and P.G. Jones), 105

Zirconium
The synthesis, characterization and polymerization behavior of ansa cyclopentadienyl fluorenyl complexes; the X-ray structures of the complexes $[(C_{13}H_8)SiR_2(C_5H_4)]ZrCl_2$ (R = Me or Ph) (K. Patsidis, H.G. Alt, W. Milius and S.J. Palackal), 63